

METHODS AND SYSTEMS OF DETECTING DEFECTIVE IMAGING PIXELS AND PIXEL VALUES

Abstract of the Disclosure

5 The present invention is related to methods and systems for detecting defective
imaging array pixels and providing correction, thereby reducing or eliminating visible
image artifacts. One embodiment of the present invention provides an on-line bad pixel
detection and correction process that compares a first pixel readout value with a first
value related to the readout values of other pixels in first pixel's local neighborhood.
10 When the first pixel readout value varies by more than a first amount as compared with
the first value, a second value related to the readout values of the neighboring pixels is
used in place of the first pixel readout value.

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